



EROSION AND SEDIMENT CONTROL NOTES

January 2013

1. The Applicant must obtain inspection and approval by the City of Rockville Department of Public Works (DPW) at the following points:
 - a. At the required preconstruction meetings.
 - b. Following installation of sediment control measures and prior to any other land disturbing activity.
 - c. During the installation of a sediment basin or stormwater management structure at the required inspection points (see Inspection Checklist on plan). Notification prior to commencing construction is mandatory.
 - d. Prior to removal or modification of any sediment control devices.
 - e. Prior to final acceptance.
2. All erosion control measures are to be constructed and maintained in accordance with applicable published standards and specifications and the most current "Maryland Standards and Specifications for Soil Erosion and Sediment Control."
3. The Applicant shall construct all erosion and sediment control measures per the approved plan and construction sequence, shall have them inspected and approved by DPW prior to beginning any other land disturbances, shall ensure that all runoff from disturbed areas is directed to the sediment control devices and shall not remove any erosion or sediment control measures without prior permission from DPW.
4. Any request for changes to the approved sediment control plan or sequence of construction must be submitted to the DPW Sediment Control Inspector and approved before implementing changes. Major changes will require a plan revision.
5. The Applicant shall protect all points of construction ingress and egress to prevent the deposition of materials onto traversed public thoroughfare(s). All materials deposited onto public thoroughfare(s) shall be removed immediately.
6. The Applicant shall inspect daily and maintain continuously in effective operating condition all erosion and sediment control measures until such time as they are removed with prior permission from the DPW Sediment Control Inspector.
7. All sediment basins, trap embankments, swales, perimeter dikes and permanent slopes steeper or equal to 3:1 shall be stabilized with sod, seed and anchored straw mulch or other approved stabilization measures, within seven calendar days of establishment. All areas disturbed outside of the perimeter sediment control system must be minimized and stabilized immediately. Maintenance must

be performed as necessary to ensure continued stabilization. Restabilization or overseeding will be required, if necessary.

8. The Applicant shall apply sod, seed and anchored straw mulch, or other approved stabilization measures to all disturbed areas within 3 calendar days after stripping and grading activities have ceased on that area. Maintenance shall be performed as necessary to ensure continued stabilization. Active construction areas, such as borrow or stockpile areas, roadway improvements and areas within 50-feet of a building under construction may be exempted from this requirement, provided that erosion and sediment control measures are installed and maintained to protect those areas. Stockpiles, which have not been used for 14 calendar days, shall be stabilized through the application of sod, seed and anchored straw mulch, or other approved stabilization measures.
9. Prior to removal of sediment control measures, the Applicant shall stabilize all contributory disturbed areas using sod or an approved permanent seed mixture with required soil amendments and an approved anchored mulch. Wood fiber mulch may only be used in seeding season to promote sheet flow drainage. Areas brought to finished grade during the seeding season shall be permanently stabilized within 7 calendar days of establishment. When property is brought to finished grade during the months of November through February, and permanent stabilization is found to be impractical, approved temporary seed and straw anchored mulch shall be applied to disturbed areas. The final permanent stabilization of such property shall be completed prior to the following April 15.
10. The site work, materials, approved Sediment Control and Stormwater Management Plans and any required test reports shall be available, at the site for inspection by duly authorized officials of the City of Rockville.
11. Surface drainage flows over unstabilized cut and fill slopes shall be controlled by either preventing drainage flows from traversing the slopes or by installing mechanical devices to lower the water downslope without causing erosion. Dikes shall be installed and maintained at the top of cut or fill slopes until the slope and drainage area to it are fully stabilized, at which time they must be removed and final grading done to promote sheet flow drainage. Mechanical devices must be provided at points of concentrated flow where erosion is likely to occur.
12. Permanent swales or other points of concentrated water flow shall be stabilized with sod or seed with approved erosion control matting or by other approved stabilization measures.
13. Temporary sediment control devices shall be removed, with permission of DPW, within 30 calendar days following establishment of permanent stabilization in all contributory drainage areas. If establishment is not full and uniform as determined by the DPW Sediment Control Inspector, overseeding will be required. Stormwater management structures used temporarily for sediment control shall be converted to the permanent configuration within this time period as well.
14. No permanent cut or fill slope with a gradient steeper than 3:1 will be permitted in lawn maintenance areas. A slope gradient of up to 2:1 will be permitted in areas that are not to be maintained provided that those areas are indicated on the erosion and sediment control plan with a low-maintenance ground cover specified for permanent stabilization. Slope gradient steeper than 2:1 will not be permitted with vegetative stabilization.
15. The Applicant shall install a splash block at the bottom of each downspout unless the downspout is connected by a drain line to an acceptable outlet.

16. All water pumped from an excavation during construction shall be pumped either to sediment tanks and/or sediment traps. No water will be pumped to the storm drain system or swale. De-watering shall be performed in accordance with the most current Maryland Standards and Specifications for Soil Erosion and Sediment Control.
17. For finished grading, the Applicant shall provide adequate gradients so as to: (1) prevent water from standing on the surface of lawns more than 24 hours after the end of a rainfall, except in designated drainage courses and swale flow areas which may drain as long as 48 hours after the end of a rainfall, and (2) provide positive drainage away from all building foundations or openings.
18. Sediment traps or basins are not permitted within 20 feet of a building, which exists or is under construction. No building may be constructed within 20 feet of a sediment trap or basin.
19. All inlets in non-sump areas shall have asphalt berms installed at the time of base paving to direct runoff to inlets.
20. The DPW Sediment Control Inspector has the option of requiring additional sediment control measures, if deemed necessary.
21. All trap elevations are relative to the outlet elevation, which must be on existing undisturbed ground.
22. Vegetative stabilization shall be performed in accordance with the most current Maryland Standards and Specifications for Soil Erosion and Sediment Control.
23. Temporary sediment trap(s) shall be cleaned out and restored to the original dimensions when sediment has accumulated to a point one-half the depth between the outlet crest and the bottom of the trap.
24. Sediment removed from traps shall be placed and stabilized in approved areas in such a manner that it does not foul existing or proposed storm drainage systems or areas already stabilized. Sediment shall not be placed within a flood plain or wetland.
25. All sediment basins and traps must be surrounded with a welded wire safety fence. The fence must be at least 42-inches high, have posts spaced no farther apart than 8-feet, have mesh openings no greater than 2-inches in width and 4-inches in height with a minimum of 14 gauge wire. Safety fence must be maintained in good condition at all times.
26. Off-site spoil or borrow areas must have approved sediment control plans.
27. Protect all trees to be preserved during construction in accordance with the approved Forest Conservation Plan.
28. The Applicant is responsible for all actions of contractor and subcontractors, including repairing damage to sediment control devices and existing infrastructure.
29. The Applicant shall comply with all provisions of the NPDES Construction Discharge Permit. A copy of the permit and all required reports shall be available on site at all times.

